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SEQUENCE LISTING

SEQ ID NO: 1

SEQUENCE TYPE: Amino acid

SEQUENCE LENGTH: 9

TOPOLOGY: Linear

MOLECULE TYPE: Peptide

SEQUENCE

Xxx Glu Thr Ile Asn Xxx His Phe Lys

1 5 9

SEQ ID NO: 2

SEQUENCE TYPE: Amino acid

SEQUENCE LENGTH: 7

TOPOLOGY: Linear

MOLECULE TYPE: Peptide

SEQUENCE

Xxx Gln Xxx Ala Phe Thr Lys

1 5 7

SEQ ID NO: 3

SEQUENCE TYPE: Amino acid

SEQUENCE LENGTH: 19

TOPOLOGY: Linear

MOLECULE TYPE: Peptide

SEQUENCE

Val Glu Xxx Val Asp Phe Thr Asn His Leu Glu Asp Thr Xxx Xxx Asn

1 5 10 15

Ile Asn Lys

19

SEQ ID NO: 4

SEQUENCE TYPE: Amino acid

SEQUENCE LENGTH: 17

TOPOLOGY: Linear

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MOLECULE TYPE: Peptide

SEQUENCE

Xxx Tyr Ile Glu Val Thr Glu Glu Gly Thr Glu Ala Xxx Ala

1 5 10 15

Ala Xxx Gly

17

SEQ ID NO: 5

SEQUENCE TYPE: Amino acid

SEQUENCE LENGTH: 9

TOPOLOGY: Linear

MOLECULE TYPE: Peptide

SEQUENCE

Xxx Tyr Leu Arg Ala Leu Gly Leu Lys

1 5 9

SEQ ID NO: 6

SEQUENCE TYPE: Amino acid

SEQUENCE LENGTH: 20

TOPOLOGY: Linear

MOLECULE TYPE: Peptide

SEQUENCE

Ala Asp Leu Ser Gly Ile Ala Ser Gly Gly Arg Leu Tyr Ile Ser Arg

1 5 10 15

Met Xxx Gly Lys

20

SEQ ID NO: 7

SEQUENCE TYPE: Amino acid

SEQUENCE LENGTH: 5

TOPOLOGY: Linear

MOLECULE TYPE: Peptide

SEQUENCE

Leu Tyr Asp Ala Lys

1 5

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SEQ ID NO: 8

SEQUENCE TYPE: Amino acid

SEQUENCE LENGTH: 5

TOPOLOGY: Linear

MOLECULE TYPE: Peptide

SEQUENCE

Asn Tyr Glu Met Lys

1 5

SEQ ID NO: 9

SEQUENCE TYPE: Amino acid

SEQUENCE LENGTH: 10

TOPOLOGY: Linear

MOLECULE TYPE: Peptide

SEQUENCE

Ala Val Ala Met Met His Gln Xxx Arg Lys

1 5 10

SEQ ID NO: 10

SEQUENCE TYPE: Nucleic acid

SEQUENCE LENGTH: 38

STRANDNESS: Single

TOPOLOGY: Linear

MOLECULE TYPE: Synthetic DNA

FEATURES: corresponding to amino acid sequence of SEQ ID NO: 3; I is inosine.

SEQUENCE

GTIGARIIIG TIGAYTTYAC IAAAYCAYYTI GARGAYAC

38

SEQ ID NO: 11

SEQUENCE TYPE: Nucleic acid

SEQUENCE LENGTH: 32

STRANDNESS: Single

TOPOLOGY: Linear

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MOLECULE TYPE: Synthetic DNA

FEATURES: corresponding to amino acid sequence of SEQ ID NO: 4; I is inosine.

SEQUENCE

TACATCGAIG TIACIGARGA RGGIACNGAR GC 32

SEQ ID NO: 12

SEQUENCE TYPE: Nucleic acid

SEQUENCE LENGTH: 37

STRANDNESS: Single

TOPOLOGY: Linear

MOLECULE TYPE: Synthetic DNA

FEATURES: Oligomer attached to 3'-RACE kit (Gibco BRL).

SEQUENCE

GGCCACGCGT CGACTAGTAC TTTTTTTTTT TTTTTTT 34

SEQ ID NO: 13

SEQUENCE TYPE: Nucleic acid

SEQUENCE LENGTH: 20

STRANDNESS: Single

TOPOLOGY: Linear

MOLECULE TYPE: Synthetic DNA

SEQUENCE

ATGTTGTGGG GACTGCTATA 20

SEQ ID NO: 14

SEQUENCE TYPE: Nucleic acid

SEQUENCE LENGTH: 23

STRANDNESS: Single

TOPOLOGY: Linear

MOLECULE TYPE: Synthetic DNA

SEQUENCE

CAAGGCGAAT GACCTCTAAG TAT 23

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SEQ ID NO: 15

SEQUENCE TYPE: Nucleic acid

SEQUENCE LENGTH: 21

STRANDNESS: Single

TOPOLOGY: Linear

MOLECULE TYPE: Synthetic DNA

SEQUENCE

CCCCGAAGCA ATCCCAGAGA G

21

SEQ ID NO: 16

SEQUENCE TYPE: Nucleic acid

SEQUENCE LENGTH: 21

STRANDNESS: Single

TOPOLOGY: Linear

MOLECULE TYPE: Synthetic DNA

SEQUENCE

CTCAGGCAGC AGAACGTACA T

21

SEQ ID NO: 17

SEQUENCE TYPE: Nucleic acid

SEQUENCE LENGTH: 21

STRANDNESS: Single

TOPOLOGY: Linear

MOLECULE TYPE: Synthetic DNA

SEQUENCE

GGCGACGACT CCTGGAGCCC G

21

SEQ ID NO: 18

SEQUENCE TYPE: Nucleic acid

SEQUENCE LENGTH: 22

STRANDNESS: Single

TOPOLOGY: Linear

MOLECULE TYPE: Synthetic DNA

SEQUENCE

GACACCAGAC CAACTGGTAA TG

22

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SEQ ID NO: 19
SEQUENCE TYPE: Nucleic acid
SEQUENCE LENGTH: 36
STRANDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Synthetic DNA
SEQUENCE
CATCCGGGAG ATGTACAGCC GGCCGCCAGA GGCAAT 36

SEQ ID NO: 20
SEQUENCE TYPE: Nucleic acid
SEQUENCE LENGTH: 21
STRANDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Synthetic DNA
SEQUENCE
GCTGTGGCCA TGATGCACCA G 21

SEQ ID NO: 21
SEQUENCE TYPE: Nucleic acid
SEQUENCE LENGTH: 24
STRANDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Synthetic DNA
SEQUENCE
TACCTGCGGG CCCTGGGCCT GAAG 24

SEQ ID NO: 22
SEQUENCE TYPE: Nucleic acid
SEQUENCE LENGTH: 51
STRANDNESS: Single
TOPOLOGY: Linear
MOLECULE TYPE: Synthetic DNA
SEQUENCE

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CATCCGGGAG ATGTACAGCC GGCCGCCAGA GGCAATGCCA GACAGGTCAG C 51

SEQ ID NO: 23

SEQUENCE TYPE: Nucleic acid

SEQUENCE LENGTH: 17

STRANDNESS: Single

TOPOLOGY: Linear

MOLECULE TYPE: Synthetic DNA

SEQUENCE

GTTTTCCCAG TCACGAC 17

SEQ ID NO: 24

SEQUENCE TYPE: Nucleic acid

SEQUENCE LENGTH: 17

STRANDNESS: Single

TOPOLOGY: Linear

MOLECULE TYPE: Synthetic DNA

SEQUENCE

CAGGAAACAG CTATGAC 17

SEQ ID NO: 25

SEQUENCE TYPE: Nucleic acid

SEQUENCE LENGTH: 20

STRANDNESS: Single

TOPOLOGY: Linear

MOLECULE TYPE: Synthetic DNA

SEQUENCE

AATTATGGCC CACACCAAGTG 20

SEQ ID NO: 26

SEQUENCE TYPE: Nucleic acid

SEQUENCE LENGTH: 20

STRANDNESS: Single

TOPOLOGY: Linear

MOLECULE TYPE: Synthetic DNA

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SEQUENCE

ACTAGCCGCT ACAGTCAACA

20

SEQ ID NO: 27

SEQUENCE TYPE: Nucleic acid

SEQUENCE LENGTH: 21

STRANDNESS: Single

TOPOLOGY: Linear

MOLECULE TYPE: Synthetic DNA

SEQUENCE

TTGCCACTTG CCTTTGAAGT A

21

SEQ ID NO: 28

SEQUENCE TYPE: Nucleic acid

SEQUENCE LENGTH: 21

STRANDNESS: Single

TOPOLOGY: Linear

MOLECULE TYPE: Synthetic DNA

SEQUENCE

CTGATGCATC ATGGCGACTG C

21

SEQ ID NO: 29

SEQUENCE TYPE: Nucleic acid

SEQUENCE LENGTH: 21

STRANDNESS: Single

TOPOLOGY: Linear

MOLECULE TYPE: Synthetic DNA

SEQUENCE

AGCATTCACC AGCACCATTA C

21

SEQUENCE ID NO: 30

SEQUENCE TYPE: Nucleic acid

SEQUENCE LENGTH: 1950

STRANDNESS: Double

TOPOLOGY: Linear

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MOLECULE TYPE: complimentary DNA (cDNA)

ORIGINAL SOURCE: Human

IMMEDIATE SOURCE: A431

FEATURE: DNA coding for human megakaryocyte differentiation factor
SEQUENCE

GGCACGAGAG GAACTGAAGC CCAGCTGTGA AGGCCGCAGA CTGCAGTGAG 50

AGGAGGCTGC ACTCCATTTT GCA ATG GCC TCC CTT GCT GCA GCA AAT 97

Met Ala Ser Leu Ala Ala Ala Asn

1

5

GCA GAG TTT TGC TTC AAC CTG TTC AGA GAG ATG GAT GAC AAT CAA 142

Ala Glu Phe Cys Phe Asn Leu Phe Arg Glu Met Asp Asp Asn Gln

10

15

20

GGA AAT GGA AAT GTG TTC TTT TCC TCT CTG AGC CTC TTC GCT GCC 187

Gly Asn Gly Asn Val Phe Phe Ser Ser Leu Ser Leu Phe Ala Ala

25

30

35

CTG GCC CTG GTC CGC TTG GGC GCT CAA GAT GAC TCC CTC TCT CAG 232

Leu Ala Leu Val Arg Leu Gly Ala Gln Asp Asp Ser Leu Ser Gln

40

45

50

ATT GAT AAG TTG CTT CAT GTT AAC ACT GCC TCA GGA TAT GGA AAC 277

Ile Asp Lys Leu Leu His Val Asn Thr Ala Ser Gly Tyr Gly Asn

55

60

65

TCT TCT AAT AGT CAG TCA GGG CTC CAG TCT CAA CTG AAA AGA GTT 322

Ser Ser Asn Ser Gln Ser Gly Leu Gln Ser Gln Leu Lys Arg Val

70

75

80

TTT TCT GAT ATA AAT GCA TCC CAC AAG GAT TAT GAT CTC AGC ATT 367

Phe Ser Asp Ile Asn Ala Ser His Lys Asp Tyr Asp Leu Ser Ile

85

90

95

GTG AAT GGG CTT TTT GCT GAA AAA GTG TAT GGC TTT CAT AAG GAC 412

Val Asn Gly Leu Phe Ala Glu Lys Val Tyr Gly Phe His Lys Asp

100

105

110

TAC ATT GAG TGT GCC GAA AAA TTA TAC GAT GCC AAA GTG GAG CGA 457

Tyr Ile Glu Cys Ala Glu Lys Leu Tyr Asp Ala Lys Val Glu Arg

115

120

125

GTT GAC TTT ACG AAT CAT TTA GAA GAC ACT AGA CGT AAT ATT AAT 502

Val Asp Phe Thr Asn His Leu Glu Asp Thr Arg Arg Asn Ile Asn

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130	135	140	
AAG TGG GTT GAA AAT GAA ACA CAT GGC AAA ATC AAG AAC GTG ATT	547		
Lys Trp Val Glu Asn Glu Thr His Gly Lys Ile Lys Asn Val Ile			
145	150	155	
GGT GAA GGT GGC ATA AGC TCA TCT GCT GTA ATG GTG CTG GTG AAT	592		
Gly Glu Gly Gly Ile Ser Ser Ser Ala Val Met Val Leu Val Asn			
160	165	170	
GCT GTG TAC TTC AAA GGC AAG TGG CAA TCA GCC TTC ACC AAG AGC	637		
Ala Val Tyr Phe Lys Gly Lys Trp Gln Ser Ala Phe Thr Lys Ser			
175	180	185	
GAA ACC ATA AAT TGC CAT TTC AAA TCT CCC AAG TGC TCT GGG AAG	682		
Glu Thr Ile Asn Cys His Phe Lys Ser Pro Lys Cys Ser Gly Lys			
190	195	200	
GCA GTC GCC ATG ATG CAT CAG GAA CGG AAG TTC AAT TTG TCT GTT	727		
Ala Val Ala Met Met His Gln Glu Arg Lys Phe Asn Leu Ser Val			
205	210	215	
ATT GAG GAC CCA TCA ATG AAG ATT CTT GAG CTC AGA TAC AAT GGT	772	Ile Glu	
Asp Pro Ser Met Lys Ile Leu Glu Leu Arg Tyr Asn Gly			
220	225	230	
GGC ATA AAC ATG TAC GTT CTG CTG CCT GAG AAT GAC CTC TCT GAA	817		
Gly Ile Asn Met Tyr Val Leu Leu Pro Glu Asn Asp Leu Ser Glu			
235	240	245	
ATT GAA AAC AAA CTG ACC TTT CAG AAT CTA ATG GAA TGG ACC AAT	862		
Ile Glu Asn Lys Leu Thr Phe Gln Asn Leu Met Glu Trp Thr Asn			
250	255	260	
CCA AGG CGA ATG ACC TCT AAG TAT GTT GAG GTA TTT TTT CCT CAG	907		
Pro Arg Arg Met Thr Ser Lys Tyr Val Glu Val Phe Phe Pro Gln			
265	270	275	
TTC AAG ATA GAG AAG AAT TAT GAA ATG AAA CAA TAT TTG AGA GCC	952		
Phe Lys Ile Glu Lys Asn Tyr Glu Met Lys Gln Tyr Leu Arg Ala			
280	285	290	
CTA GGG CTG AAA GAT ATC TTT GAT GAA TCC AAA GCA GAT CTC TCT	997		
Leu Gly Leu Lys Asp Ile Phe Asp Glu Ser Lys Ala Asp Leu Ser			
295	300	305	
GGG ATT GCT TCG GGG GGT CGT CTG TAT ATA TCA AGG ATG ATG CAC	1042		

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Gly Ile Ala Ser Gly Gly Arg Leu Tyr Ile Ser Arg Met Met His
 310 315 320
 AAA TCT TAC ATA GAG GTC ACT GAG GAG GGC ACC GAG GCT ACT GCT 1087
 Lys Ser Tyr Ile Glu Val Thr Glu Glu Gly Thr Glu Ala Thr Ala
 325 330 335
 GCC ACA GGA AGT AAT ATT GTA GAA AAG CAA CTC CCT CAG TCC ACG 1132
 Ala Thr Gly Ser Asn Ile Val Glu Lys Gln Leu Pro Gln Ser Thr
 340 345 350
 CTG TTT AGA GCT GAC CAC CCA TTC CTA TTT GTT ATC AGG AAG GAT 1177
 Leu Phe Arg Ala Asp His Pro Phe Leu Phe Val Ile Arg Lys Asp
 355 360 365
 GAC ATC ATC TTA TTC AGT GGC AAA GTT TCT TGC CCT TGA 1216
 Asp Ile Ile Leu Phe Ser Gly Lys Val Ser Cys Pro ...
 370 375 380
 AAATCCAATT GGTTTCTGTT ATAGCAGTCC CCACAACATC AAAGAACCAC 1266
 CACAAGTCAA TAGATTTGAG TTTAATTGGA AAAATGTGGT GTTTCCTTTG 1316
 AGTTTATTTT TTCCTAACAT TGGTCAGCAG ATGACACTGG TGACTTGACC 1366
 CTTCTAGAC ACCTGGTTGA TTGTCCTGAT CCCTGCTCTT AGCATTCTAC 1416
 CACCATGTGT CTCACCCATT TCTAATTTCA TTGTCTTTCT TCCCACGCTC 1466
 ATTTCTATCA TTCTCCCCCA TGACCCGTCT GGAAATTATG GAGAGTGCTC 1516
 AACTGGTAAG GAGAACGTAG AAGTAGCCCT AGGGATCCTT TTTGAAACTC 1566
 TACAGTTATC GCAGATATTC TAGCTTCATT GTAAGCAATC TAGGAAATAA 1616
 GCCCTGCTGC TTTCTAGAAA TAAGTGTGAA GGATAAATTT TCTTTGTTGA 1666
 CCTATGAAGA TTTTAGAGTT TACCTTCATA TGTTTGATTT TAAATCAGTG 1716
 TATAATCTAG ATGGTAAAAA ATGTGAAATT GGGATTAGGG ACCAACCAAA 1766
 ATATTTTATT AATGCTTTCA ATTGACAAAT TTTGGTCTTT CTTTGATAAG 1816
 ACAATATGTA CATAGTTTTT TCAAATATTA AAGATCTTTT AACTGTTGGC 1866
 AGTTGTTATC TACAGAATCA TATCTCATAT GCTGTGTAGT TTATAAGTTT 1916
 TTTCTCTATT TATCAGAATA AAGAAATACA ACAT 1950

SEQ ID NO: 31

SEQUENCE TYPE: Nucleic acid

SEQUENCE LENGTH: 20

STRANDNESS: Single

TOPOLOGY: Linear

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MOLECULE TYPE: Synthetic DNA

ORIGINAL SOURCE: Human

FEATURES: 5'-non-translation region

SEQUENCE

AACTGAAGCC CAGCTGTGAA

20

SEQ ID NO: 32

SEQUENCE TYPE: Nucleic acid

SEQUENCE LENGTH: 37

STRANDNESS: Single

TOPOLOGY: Linear

MOLECULE TYPE: Synthetic DNA

SEQUENCE

CTCGAATTCG CGATGGCCTC CCTTGCTGCA GCAAATG

37

SEQ ID NO: 33

SEQUENCE TYPE: Nucleic acid

SEQUENCE LENGTH: 49

STRANDNESS: Single

TOPOLOGY: Linear

MOLECULE TYPE: Synthetic DNA

SEQUENCE

GGGAATTCGC GGCCGCGTGG TGGTTCTTTG ATGTTGTGGG GACTGCTAT

49